



# Forest Insect & Disease Management

Report No. 81-3-1

Issued on: 10-17-80

AERIAL DETECTION SURVEY OF FOREST  
INSECT AND DISEASE ACTIVITY, NATCHEZ  
TRACE PARKWAY, MISSISSIPPI

LAND OWNERSHIP OR SURVEY AREA: U.S. Department of Interior  
National Park Service  
Natchez Trace Parkway

STATE: Mississippi

AREA WITHIN SURVEY BOUNDARY: 33,000 acres

DATE: October 8, 1980

PERCENT COVERAGE: 100%

AIRCRAFT: Cessna 210

CREW: E.T. Wilson, T.P. Russell

REPORT PREPARED BY: E.T. Wilson

## SURVEY OBJECTIVES

To detect the presence of southern pine beetle infestations along the Natchez Trace Parkway in Mississippi.

## SURVEY RESULTS

A total of 47 spots containing 271 dead and dying trees were detected, (Table 1). The number and size of southern pine beetle infestations observed along the Parkway has declined dramatically since the November 1979 aerial survey was flown. A biological evaluation is currently being conducted by Forest Pest Management personnel from the Pineville Field Office to determine the trend of the outbreak.

---

For any additional information, contact:

USDA, Forest Service, FPM  
3620 Interstate 85, N.E.. or  
Northgate Office Park, Rm. 2103  
Doraville, GA 30340  
Telephone: 404/221-4796

USDA, Forest Service, FPM  
P.O. Box 2570  
Asheville, NC 28802  
Telephone: 704/258-2850

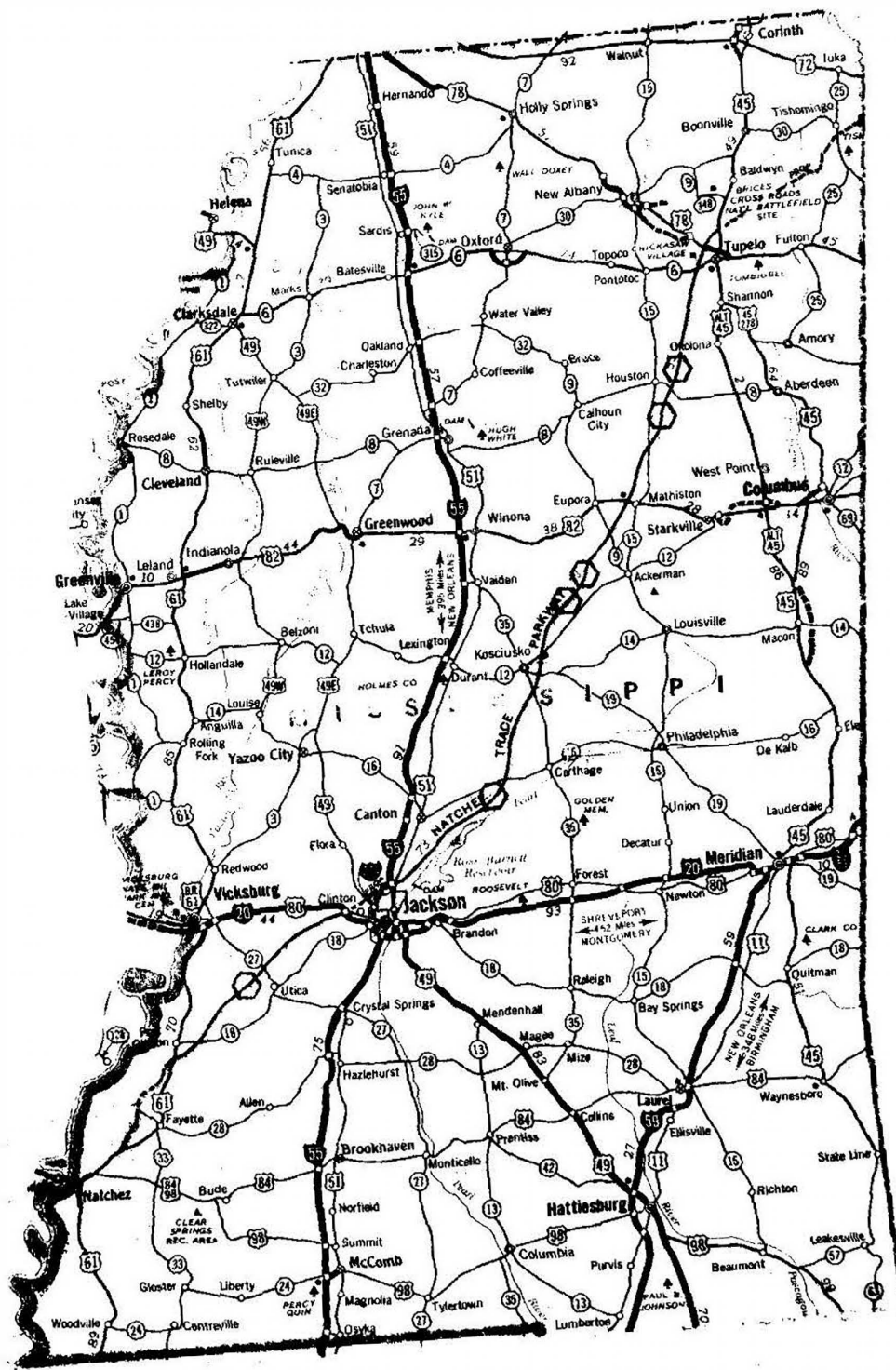
**SOUTHEASTERN AREA, STATE & PRIVATE FORESTRY  
USDA FOREST SERVICE, ATLANTA, GA 30309**

Table 1: Summary of Aerial Survey Data, Natchez Trace Parkway, Mississippi,  
October 8, 1980

Infestation Size (# Trees)

	1		2-5		6-20		21-50	
Counties <sup>1/</sup>	Spots:Trees		Spots:Trees		Spots:Trees		Spots:Trees	
Adams								
Jefferson								
Claibourne	1	1			1	12		
Hinds					2	19		
Madison	3	3	2	6	2	18		
Leake	3	3						
Attala			1	3	2	15		
Choctaw	1	1	3	11	6	68		
Webster	3	3	4	13	2	22		
Clay	1	1	1	3	2	20		
Chickasaw	3	3	2	8	2	38		
Pontotoc								
Lee								
Itawamba								
Prentiss								
Total Spots:Trees								
Spots:Trees	15	15	13	44	19	212		

<sup>1/</sup> Spots adjacent to Natchez Trace Parkway were plotted. Ground checking will determine if they are actually within the Parkway boundary.



# LEGEND

- Locations of SPB infestations along the Natchez Trace Parkway, Mississippi, on aerial survey of October 8, 1980.